

IN THE CLAIMS

Please amend claims 1, 2, 12, 17 and 19 as follows:

1. (CURRENTLY AMENDED) An improved distributed Bragg reflector comprising:
a sampled grating, including a plurality of sampled grating portions ~~comprising~~ having a first ~~structural grating~~ phase separated from each other by portions with no grating; and
a first grating burst portion, at ~~the~~ a beginning of a first one of the sampled grating portions, ~~of the sampled grating and comprising~~ having a second ~~structural grating~~ phase, wherein said the second ~~structural grating phase being~~ is different from the first ~~structural grating~~ phase.

2. (CURRENTLY AMENDED) The reflector of claim 1, wherein the second ~~structural grating~~ phase is substantially opposite that of ~~said first structural grating phase of said sampled grating.~~

3. (PREVIOUSLY PRESENTED) The reflector of claim 1, wherein the first sampled grating portion and the first grating burst portion are spaced apart and configured such that maximum values for a coupling constant (κ) are substantially uniform across a selected tuning range.

4 - 10. (CANCELLED)

11. (PREVIOUSLY PRESENTED) The reflector of claim 1, wherein the portions with no grating occupy more than 70% of the reflector.

12. (CURRENTLY AMENDED) The reflector of claim 1, wherein the first grating burst portion is spaced apart from the first one of the sampled grating portions by a spacing with no grating.

13 - 16. (CANCELLED)

17. (CURRENTLY AMENDED) A distributed Bragg reflector comprising:
a sampled grating, including a plurality of sampled grating portions separated from each other
by portions with no grating;
wherein the sampled grating portions each have a first ~~structural~~ grating phase and a second
~~structural~~ grating phase.

18. (PREVIOUSLY PRESENTED) The reflector of claim 17, wherein the portions with no
grating occupy more than 70% of the reflector.

19. (CURRENTLY AMENDED) The reflector of claim 17, wherein the sampled grating
portions reverse ~~structural~~ their grating phase at a beginning and an end of each sampled grating
portion.

20 - 29. (CANCELLED)